

PROJECT: Midnite Mine Remediation

REPORT NO: 2019-023

OWNER: Newmont/Dawn Mining

OPERATOR: Newmont/Dawn Mining

Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period August 30 – September 5, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <https://amcollab.mwhtools.com/sites/midnitemine>

SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period August 30 – September 5, 2019

FIRST AID INJURY	0	PROPERTY DAMAGE	0
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0
LOST TIME INJURY	0		

Comments: No incidents or injuries occurred during the reporting period. Project monthly safety meeting was conducted on September 3; topics included lessons learned from a service truck / haul truck collision at Maules Creek Mine and review of Midnite Mine Traffic Management Procedure. Safety Focus was attentional blindness. "The Invisible Gorilla" video was viewed and discussed and a review of the project leading indicators for the month of August was reviewed.

COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

Weekly Progress Meeting:

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, September 4, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- U.S. Army Corps of Engineers (ACOE)
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

Meeting Action Items:

- None

EPA Plan/Document Approvals:

- None

Regulatory Site Visit(s):

- Mark Fillius, ACOE representing EPA, was on Site September 3 through 5.

REMEDIAL WORK ACTIVITIES

Construction:

During the week of August 30 – September 5, 2019, the following activities were conducted:

- No work was performed at Site on September 2 in observance of Labor Day holiday.
- Continued excavating, hauling and placing low activity/low reactivity material to Pit 4 from the west and north sides of the South Waste Rock Pile (SWRP). Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the rind buffer area, at the south end of the Pit 4 backfill to form the 20' radon buffer on the outer waste surface, and in the unclassified waste zone in the interior of the pit.
- The above materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul material volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume ¹ yd ³
August 30 – September 5, 2019	2,380	66,640
2019 Cumulative	65,448	1,832,544

1 - Truck load assumed to be 28 yd³

- Continued installation of the Infiltration Collectors on the west side of Pit 4.
- Continued preparation of the South Pond subgrade for liner installation.
- Continued constructing the High Road along the north side of Protore Stockpile 4 and west of Pit 3 in the vicinity of the former light vehicle road.
- Wm. Winkler formed, placed rebar and poured the South Pond Spillway channel and poured the first section of the Western States maintenance area concrete slab.
- Began realignment of access road to the Water Treatment Plant.
- Pit 4 tension crack was measured on September 3. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

Stormwater Pollution Prevention Plan (SWPPP)

- The Site Certified Erosion Control Lead (CESCL) held the monthly SWPPP review meeting with the preparer of the SWPPP as required by Specification 01570.

Spill Prevention, Control, and Countermeasure Activities (SPCC)

- None

Equipment Mobilized/Demobilized and Material Delivered

The following equipment was mobilized to the Site during this reporting period.

- None

The following equipment was demobilized from the Site during this reporting period.

- None

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

Materials:

The following material was delivered to the Site during this reporting period:

- Rebar for South Pond Spillway
- Concrete for South Pond Spillway
- Additional components for the South Pond

Dust Control and Monitoring

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

Dust monitor ES-4 was down during the night shift on Wednesday (September 4) due to a drained battery. The sampler was moved to allow for more sun exposure during the day. Bison Engineering is scheduled to be on Site Tuesday September 10 to set up new higher capacity solar panels and batteries for the 3 roving monitors.

Table 2 - TSP Dust Monitoring Locations during reporting period August 30 – September 5, 2019

Monitor ID	Location Description	Start Date	Status						
			Fri	Sat	Sun	Mon	Tue	Wed	Thurs
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N				D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N				D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N				D/N	D/N	D/N
ES-4 (roving)	East of the Mid-WRP	08/19/19	D/N				D/N	D/*	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4	08/13/19	D/N				D/N	D/N	D/N
ES-7 (roving)	Southwest Side of Area 5	07/12/19	D/N				D/N	D/N	D/N
ES-8 (stationary)	Spare								
D=Day Shift (6:00 am to 4:30 pm) N=Night Shift (4:00 pm to 2:30 am) E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) – No Operation * Equipment malfunction (Battery/Power Supply or Other)									

PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted during this time-period are shown in the table below:

Table 3 – CQA Documentation

Project Submittals			
Submittal No.	Title	Submittal Date	CQA Acceptance Date
03300-03.00	South Pond Spillway – Rebar List and Mill Certification	8/26/2019	8/28/2019 EPA – No Exceptions 9/3/2019
01018-38.00	Stockpile 1 and 2 As-Built	8/29/2019	8/30/2019 EPA – No Exceptions 9/3/2019
03300-05.00	South Pond Spillway – Rebar List and Mill Certification	8/30/2019	8/30/2019 EPA – No Exceptions 9/3/2019
Project ECNs			
ECN No.	Title	EPA Submittal Date	EPA Response Date
None			
Project RFIs			
RFI No.	Title	CQC Submittal Date	CQA Response Date
2019-016	Request for Modification of HDPE Pipe Storage Requirements	8/27/2019	8/28/2019 EPA – No Exceptions 9/3/2019
2019-017	Request for Modification to South Pond Anchor Trench	9/4/2019	9/5/2019 Pending EPA Review
2019-019	On-Site Monitoring Wells Figure Updated	9/5/2019	TBD
Project NCNs			
NCN No.	Title	CQA Issue Date	CQC Response Date
None to Date			
CQC-CQA Field Acceptance Forms			
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date	
2019-18	South Pond Spillway – Concrete Cut-Off Walls Subgrade Acceptance	8/29/2019	
2019-19	Pit 4 West IC – Finger Drain 2, Section 6, Subgrade Acceptance	8/30/2019	
2019-20	South Pond Spillway Concrete Channel Slab Subgrade Acceptance	9/4/2019	
2019-21	Pit 4 West IC – Finger Drain 1, Section 4, Subgrade Acceptance	9/4/2019	
Other Items			
Item	Title	Comments	
None			

Copies of the updated CQA Logs are located on the project SharePoint site under the 2019 CQA Folder.

SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature are summarized below and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

Preparatory Inspections / Meetings

- None during this time-period.

Initial Phase Inspections

- None during this time-period.

Follow-up Phase and Ongoing Inspections

Daily observations/inspections were performed by CQA during this time-period pursuant to project specifications, design drawings and project documentation for applicable activities shown in the Construction Section of the Remedial Work Activities portion of this report.

Completion Inspections

- None

THREE WEEK LOOKAHEAD SCHEDULE

Three Week Lookahead Schedule

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee
Project Construction Director

Attachments

- Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.



Figure 1 – Low Activity/Low-Reactivity Mine Waste from the west side of the SWRP being excavated, looking north.



Figure 2 – Wm. Winkler placing concrete for the South Pond Spillway slab, looking west.



Figure 3 – Dozer and Loader Fine-Grading the Bottom of the South Pond Area.



Figure 4 – Overview of Pit 4 looking south.

ATTACHMENT A

MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

